

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/500,250
Source: PT/10
Date Processed by STIC: 2/22/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 02/22/2005

PATENT APPLICATION: US/10/500,250

TIME: 13:57:12

Input Set : A:\21415-0010US1.txt

Output Set: N:\CRF4\02222005\J500250.raw

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3 <110> APPLICANT: Cornford-Nairn, Renee
4      Daggard, Grant Edward
5      Mukkur, Trilochan Kanwaljit Singh
6      Rossetti, Tony Robert
8 <120> TITLE OF INVENTION: Defective Entities and Uses Therefor
10 <130> FILE REFERENCE: 21415-0010US1
12 <140> CURRENT APPLICATION NUMBER: US 10/500,250
13 <141> CURRENT FILING DATE: 2004-06-25
15 <150> PRIOR APPLICATION NUMBER: PCT/AU02/01768
16 <151> PRIOR FILING DATE: 2002-12-30
18 <150> PRIOR APPLICATION NUMBER: AU PR9776/01
19 <151> PRIOR FILING DATE: 2001-12-28
21 <160> NUMBER OF SEQ ID NOS: 7
23 <170> SOFTWARE: PatentIn version 3.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 942
27 <212> TYPE: DNA
28 <213> ORGANISM: Bordetella pertussis
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31 <221> NAME/KEY: misc_feature
32 <222> LOCATION: (5)..(5)
33 <223> OTHER INFORMATION: n = unknown nucleotide
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39 <223> OTHER INFORMATION: n = unknown nucleotide
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45 <223> OTHER INFORMATION: n = unknown nucleotide
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57 <223> OTHER INFORMATION: n = unknown nucleotide
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61 <221> NAME/KEY: misc_feature
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63 <223> OTHER INFORMATION: n = unknown nucleotide
66 <220> FEATURE:

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Input Set : A:\21415-0010US1.txt

Output Set: N:\CRF4\02222005\J500250.raw

67 <221> NAME/KEY: misc_feature
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69 <223> OTHER INFORMATION: n = unknown nucleotide
72 <220> FEATURE:
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74 <222> LOCATION: (561)..(561) ✓
75 <223> OTHER INFORMATION: n = unknown nucleotide
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79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (582)..(582) ✓
81 <223> OTHER INFORMATION: n = unknown nucleotide
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85 <221> NAME/KEY: misc_feature
86 <222> LOCATION: (584)..(584) ✓
87 <223> OTHER INFORMATION: n = unknown nucleotide
90 <220> FEATURE:
91 <221> NAME/KEY: misc_feature
92 <222> LOCATION: (587)..(587) ✓
93 <223> OTHER INFORMATION: n = unknown nucleotide
96 <220> FEATURE:
97 <221> NAME/KEY: misc_feature
98 <222> LOCATION: (594)..(594) ✓
99 <223> OTHER INFORMATION: n = unknown nucleotide
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: (597)..(597) ✓
105 <223> OTHER INFORMATION: n = unknown nucleotide
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109 <221> NAME/KEY: misc_feature
110 <222> LOCATION: (745)..(745) ✓
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115 <221> NAME/KEY: misc_feature
116 <222> LOCATION: (746)..(746) ✓
117 <223> OTHER INFORMATION: n = unknown nucleotide
120 <220> FEATURE:
121 <221> NAME/KEY: misc_feature
122 <222> LOCATION: (747)..(747) ✓
123 <223> OTHER INFORMATION: n = unknown nucleotide
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127 <221> NAME/KEY: misc_feature
128 <222> LOCATION: (765)..(765) ✓
129 <223> OTHER INFORMATION: n = unknown nucleotide
132 <220> FEATURE:
133 <221> NAME/KEY: misc_feature
134 <222> LOCATION: (768)..(768) ✓
135 <223> OTHER INFORMATION: n = unknown nucleotide
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/500,250

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Input Set : A:\21415-0010US1.txt

Output Set: N:\CRF4\02222005\J500250.raw

140 <222> LOCATION: (778)..(778) /
141 <223> OTHER INFORMATION: n = unknown nucleotide
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147 <223> OTHER INFORMATION: n = unknown nucleotide
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152 <222> LOCATION: (806)..(806)
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158 <222> LOCATION: (812)..(812)
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165 <223> OTHER INFORMATION: n = unknown nucleotide
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170 <222> LOCATION: (829)..(829)
171 <223> OTHER INFORMATION: n = unknown nucleotide
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177 <223> OTHER INFORMATION: n = unknown nucleotide
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182 <222> LOCATION: (854)..(854)
183 <223> OTHER INFORMATION: n = unknown nucleotide
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187 <221> NAME/KEY: misc_feature /
188 <222> LOCATION: (870)..(870)
189 <223> OTHER INFORMATION: n = unknown nucleotide
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194 <222> LOCATION: (871)..(871)
195 <223> OTHER INFORMATION: n = unknown nucleotide
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199 <221> NAME/KEY: misc_feature /
200 <222> LOCATION: (881)..(881)
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205 <221> NAME/KEY: misc_feature /
206 <222> LOCATION: (884)..(884)
207 <223> OTHER INFORMATION: n = unknown nucleotide
210 <220> FEATURE:
211 <221> NAME/KEY: misc_feature /
212 <222> LOCATION: (889)..(889) /

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/500,250

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TIME: 13:57:12

Input Set : A:\21415-0010US1.txt

Output Set: N:\CRF4\02222005\J500250.raw

213 <223> OTHER INFORMATION: n = unknown nucleotide
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225 <223> OTHER INFORMATION: n = unknown nucleotide
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229 <221> NAME/KEY: misc_feature
230 <222> LOCATION: (896)..(896)
231 <223> OTHER INFORMATION: n = unknown nucleotide
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235 <221> NAME/KEY: misc_feature
236 <222> LOCATION: (898)..(898)
237 <223> OTHER INFORMATION: n = unknown nucleotide
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241 <221> NAME/KEY: misc_feature
242 <222> LOCATION: (899)..(899)
243 <223> OTHER INFORMATION: n = unknown nucleotide
246 <220> FEATURE:
247 <221> NAME/KEY: misc_feature
248 <222> LOCATION: (914)..(914)
249 <223> OTHER INFORMATION: n = unknown nucleotide
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254 <222> LOCATION: (915)..(915)
255 <223> OTHER INFORMATION: n = unknown nucleotide
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259 <221> NAME/KEY: misc_feature
260 <222> LOCATION: (916)..(916)
261 <223> OTHER INFORMATION: n = unknown nucleotide
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265 <221> NAME/KEY: misc_feature
266 <222> LOCATION: (917)..(917)
267 <223> OTHER INFORMATION: n = unknown nucleotide
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272 <222> LOCATION: (918)..(918)
273 <223> OTHER INFORMATION: n = unknown nucleotide
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278 <222> LOCATION: (921)..(921)
279 <223> OTHER INFORMATION: n = unknown nucleotide
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283 <221> NAME/KEY: misc_feature
284 <222> LOCATION: (926)..(926)
285 <223> OTHER INFORMATION: n = unknown nucleotide

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/500,250

DATE: 02/22/2005

TIME: 13:57:12

Input Set : A:\21415-0010US1.txt

Output Set: N:\CRF4\02222005\J500250.raw

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288 <220> FEATURE:
289 <221> NAME/KEY: misc_feature
290 <222> LOCATION: (929)..(929)
291 <223> OTHER INFORMATION: n = unknown nucleotide
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296 <222> LOCATION: (930)..(930)
297 <223> OTHER INFORMATION: n = unknown nucleotide
300 <220> FEATURE:
301 <221> NAME/KEY: misc_feature
302 <222> LOCATION: (935)..(935)
303 <223> OTHER INFORMATION: n = unknown nucleotide
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307 <221> NAME/KEY: misc_feature
308 <222> LOCATION: (936)..(936)
309 <223> OTHER INFORMATION: n = unknown nucleotide
312 <220> FEATURE:
313 <221> NAME/KEY: misc_feature
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315 <223> OTHER INFORMATION: n = unknown nucleotide
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319 <221> NAME/KEY: misc_feature
320 <222> LOCATION: (939)..(939)
321 <223> OTHER INFORMATION: n = unknown nucleotide
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325 <221> NAME/KEY: misc_feature
326 <222> LOCATION: (940)..(940)
327 <223> OTHER INFORMATION: n = unknown nucleotide
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331 <221> NAME/KEY: misc_feature
332 <222> LOCATION: (942)..(942)
333 <223> OTHER INFORMATION: n = unknown nucleotide
336 <220> FEATURE:
337 <221> NAME/KEY: CDS
338 <222> LOCATION: (73)..(504)
339 <223> OTHER INFORMATION:
342 <220> FEATURE:
343 <221> NAME/KEY: -10_signal
344 <222> LOCATION: (19)..(24)
345 <223> OTHER INFORMATION:
W--> 348 <220>
349 <221> NAME/KEY: -35_signal
350 <222> LOCATION: (37)..(42)
351 <223> OTHER INFORMATION:
W--> 354 <220>
355 <221> NAME/KEY: RBS
356 <222> LOCATION: (52)..(60)
357 <223> OTHER INFORMATION:
W--> 360 <400> 1

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/500,250

DATE: 02/22/2005
TIME: 13:57:13

Input Set : A:\21415-0010US1.txt
Output Set: N:\CRF4\02222005\J500250.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 5, 7, 512, 523, 527, 536, 552, 561, 582, 584, 587, 594, 597, 745, 746, 747
Seq#:1; N Pos. 765, 768, 778, 791, 806, 812, 823, 829, 853, 854, 870, 871, 881, 884, 889
Seq#:1; N Pos. 892, 894, 896, 898, 899, 914, 915, 916, 917, 918, 921, 926, 929, 930, 935
Seq#:1; N Pos. 936, 938, 939, 940, 942

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/500,250

DATE: 02/22/2005

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Input Set : A:\21415-0010US1.txt

Output Set: N:\CRF4\02222005\J500250.raw

L:348 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:339
L:354 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:345
L:360 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:351
L:360 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:357
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1